Digital Time Switch

Altech’s ATS Series of Digital Time Switches comprises 6 models featuring Precise Time Programming for Daily/Weekly (ATS-C) or Pulse (ATS-P) switching. An LCD display shows current Timing and Function information.

Features
- 25 ON/OFF Programs (16 ON Programs for Pulse version)
- LCD Display for Time and Program Information
- Various Supply voltages (determined by model)
- Keypad Lockable
- 12/24h time format
- DIN Rail Mount

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>Chrono Version</th>
<th>Pulse Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage 110-240V AC</td>
<td>ATS-C120</td>
<td>ATS-P120</td>
</tr>
<tr>
<td>12V DC</td>
<td>ATS-C12</td>
<td>ATS-P12</td>
</tr>
<tr>
<td>24V DC</td>
<td>ATS-C24</td>
<td>ATS-P24</td>
</tr>
<tr>
<td>Power Consumption 4 VA max.</td>
<td>4 VA max.</td>
<td></td>
</tr>
<tr>
<td>Programs</td>
<td>25 ON/OFF Programs</td>
<td>16 Pulse Programs</td>
</tr>
<tr>
<td>Minimum Switching Time 1min</td>
<td>1s</td>
<td></td>
</tr>
<tr>
<td>Programmable Pulse duration –</td>
<td>1-59s</td>
<td></td>
</tr>
</tbody>
</table>

Operating Modes
AUTO: Program ON
ON AUTO: Instant ON until next Auto event
AUTO OFF: Instant OFF until next Auto event
ON: Continuous ON
OFF: Continuous OFF

Specifications
Functional
Display 3 Line Text LCD
Clock Resolution 1 minute
Clock Accuracy +/- 2s above operating temperature
LED Indicator ON: relay activated, OFF: relay deactivated
Output
Output Configuration 1 x SPDT (C/O)
Output Contact Rating 16A (NO), 5A (NC) @ 240VAC/240VDC (resistive)
6A @ 250VAC, cosθ=0.6 (inductive)
Electrical Life 30,000 switching cycles
AC-15 Rating 250VAC/6.0A, cosθ=0.6, 85°C
DC-13 Rating Rated Voltage (Ue): 24VDC, Rated Current (Ie): 2.0A
Material
Operating Temperature -10°C - 55°C (14°F - 131°F)
Storage Temperature -20°C - 80°C (14°F - 140°F)
Protection Enclosure IP40 (Enclosure), IP20 (Terminals)
Housing UL94-V0
Torque Terminals 0.54 Nm (3.5lb.in.), M2.5 screw
Terminal Wire Size 0.2-3.3mm² (24-12AWG)
Weight 110g (0.24lb.)

Connection Diagrams

Dimensions

DESCRIPTION
The standard timings version (ATS-C) and Pulse version (ATS-P) essentially differ in their programmed ON/OFF duration.

Chrono Version
The ATS-C Series allows daily/weekly switching times with a minimum duration of 1min. 25 ON/OFF programs can be configured. Application examples are Lighting applications, illuminated advertising displays, HVAC and Pump applications.

Pulse Version
The Pulse version, ATS-P series, allows pulse operations to be scheduled with duration 1-59s. Application Examples are scheduling Sirens, bells, etc.

DISPLAY FUNCTIONS

LCD
Program Number Relay Status
Mode
Keypad
Relay ON/OFF LED Indication

Altech Corp. • 35 Royal Road • Flemington, NJ 08822-6000 • t 908-806-9400 • f 908-806-9490 • www.altechcorp.com